XScan Documentation

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Step 1: Change default paths in aspect_mining\main\AbstractImpl.java

- workspace: The output folder
- defaultInputProject: The name of the project to detect peer groups



Step 2: Run as Eclipse application

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D IN JRE Syste	Show In Alt+Shift-	+W >	
👂 🛋 Plug-in D 👔	Copy Ctrl	+C	
a 💝 src 👘	Copy Qualified Name	the superclass of any concrete implementations (peer detection, C	(BFA, etc.)
> 🖶 aspec	Paste Ctrl	+V	,
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⊳ 🕽 AI			
> 🚺 A: 🐣	Remove from Context Ctrl+Alt+Shift+Do	wn settings	
⊳ ∐ C	Build Path	<pre>vorkspace = "C:\\Users\\HUNG\\Desktop\\Aspect Mining";</pre>	
	Source Alt+Shift	i+S >	
	Refactor Alt+Shift	<pre>+T + ig defaultInputProject = "test-project";</pre>	
> 🖶 aspec	Import	<pre>ting defaultInputProject = "jnotdraw6001"; ting defaultInputProject = "columba-1.4-arc";</pre>	-
🛛 🔠 clema 🚬	Export	ing defaultInputProject = "apache-tomcat-6.0.26-src";	
b 🌐 user.t		ing defaultInputProject = "jEdit-4.3.1";	
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	Close Project	ring defaultinputProject = "jarp-source-1.0.1";	
build.pro	Close Unrelated Projects	ing defaultInputProject = "HealthWatcherAO 01 Base";	
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b 15 test-project	Profile As	3 Eclipse Application Alt+Shift+X, E	
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Step 3: Create/Import Java projects on the new Eclipse workspace

Step 4: Execute XScan (AspectWiz)



Note that the Oracle file and the file containing method clones may not be available. Clone detection belongs to another research project that I did not participate in.

🖫 Problems 📮 Console 🖄 🖉 Javadoc) 🗄 ASTView 🖉 Tasks 🇊 Call Hierarchy 🦃 Call Hierarchy 🕅 SVN Repositories 🎱 Internal Web Browser	<mark>ff⁰ s</mark>	ynch	nronize			
New_configuration [Eclipse Application] C:\Program Files\Java\jre6\bin\javaw.exe (Jun 2, 2011 11:07:25 AM)		K S	ž			
Started.						
1. Gathering project information						
[Stage 1] Parsing /test-project/src/MyClass2.java						
[Stage 1] Parsing /test-project/src/BaseClass.java						
[Stage 1] Parsing /test-project/src/MyClass.java						
[Stage 2] Parsing /test-project/src/MyClass2.java						
[Stage 2] Parsing /test-project/src/BaseClass.java						
[Stage 2] Parsing /test-project/src/MyClass.java	_					
Oracle data file does not exist: C:\Users\HUNG\Desktop\Aspect Mining\Input\ORACLE-test-project.txt	2					
2. Running method groups detection	_					
Clones file does not exist: C:\Users\HUNG\Desktop\Aspect Mining\Input\Clones-test-project.dat						
Iteration 1:						
Number of candidates: 6						
New candidates suggested: 0						
2 new peer(s) found.						
Iteration 2:						
Number of candidates: 3						
New candidates suggested: 0						
0 new peer(s) found.						
3. Outputting results						
Done [0 seconds].						

Step 5: Open the workspace folder in Step 1 to see the results

The peer groups detected by XScan are stored in the file AspectWiz - Peer Groups.txt.

Note that if the Oracle file is missing, some output files such as AspectWiz - Oracle Coverage.txt may not display any results.

